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(71) Applicant (for all designated States except US): Electronics and Telecommunications Research Institute [KR/KR]; 161, Gajeong-dong, Yuseong-gu, Daejeon 305-350 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SHIN, Sung-Moon [KR/KR]; Hanvit Apt. 101-1104, Eoeun-dong,

Yuseong-gu, Daejeon-city 305-755 (KR). BANG, Seung-Chan [KR/KR]; Nuri Apt. 115-1502, Wolpyeong-dong, Seo-gu, Daejeon-city 302-791 (KR).

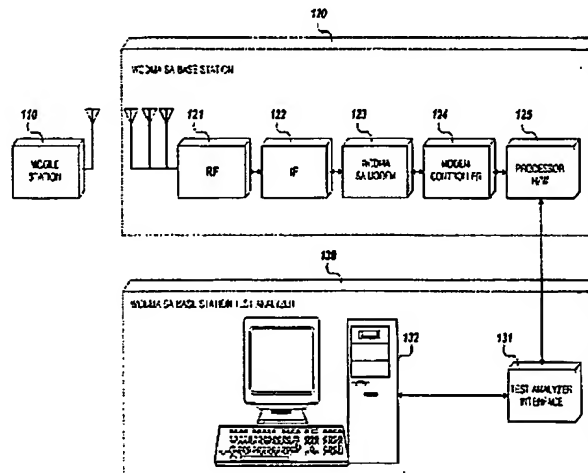
(74) Agent: YOU ME PATENT AND LAW FIRM; Seolim Bldg., 649-10, Yoksam-dong, Kangnam-ku, Seoul 135-080 (KR).

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(54) Title: APPARATUS AND METHOD FOR TESTING AND ANALYZING BASE STATION WITH SMART ANTENNA, AND PROTOCOL STRUCTURE



(57) Abstract: An apparatus (130) for testing and analyzing a base station (120) having a smart antenna in a WCDMA communication system includes a test analyzer body (132) and a test analyzer interface (131). The test analyzer body (132) includes a user interface for generating test calls; a test call processor for selecting a protocol corresponding to the test call, analyzing a signal message for the protocol to monitor a call setup procedure, processing the test call to analyze traffic, and monitoring the traffic quality according to the selected protocol; a data processor for analyzing and processing the performance data of the test call processor; and a network interface for transmitting and receiving the protocol signal message, traffic, and performance message.



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